

Advanced Welding and Joining Technical Workshop

January 25-26, 2006

Draft Agenda (rev 9, 5 Jan.)

8:00 a.m. Travel to NIST

8:30 **Introductions and Welcome** - Jim Merritt – Office of Pipeline Safety

8:45 **Supporting Remarks (Reasons for this Workshop)**

U.S. Office of Pipeline Safety – Bob Smith

National Energy Board of Canada – Joe Paviglianiti

American Petroleum Institute ?

Canadian Standards Association – TBA

Plastic Pipe Institute/Plastic Pipe Database Committee – Stephen Boros

Recap of R&D Forum Output – Marie Quintana – Lincoln Electric

9:45 **Break**

10:00 **Keynote Addresses (Set the Challenge to identify gaps) 20 min. each**

- Materials Joining Technology Advancements for Future Pipelines – Nathan Ames(EWI)/Roger Howard/Mark Hudson(BP)
- Joining Standards (nonmetallic) – Stephen Boros – Plastic Pipe Institute/Plastic Pipe Database Committee
- Advanced Welding Repair and Remediation Methods for In-Service Pipelines – Bill Bruce - EWI
- Improved Inspection and Assessment Methods for Girth and Repair Welds – David Horsley - TransCanada
- Optimizing Weld Integrity for High-Strength Steels - Yong-Yi Wang – EMCC
- Underwater Wet Welding – Steven Liu – Colorado School of Mines

12:00 **Lunch** - NIST cafeteria at your own expense

1:15 **Working Groups** –Located in Various Meeting Rooms (Charge: To identify gaps in current research or standards. List goals, maybe develop roadmap)

- 1) Weld Design in Emerging Materials – Bill Mohr – EWI, co-chair Marie Quintana – Lincoln Electric
- 2) Construction – Roger Howard – BP, co-chair David Dorling – TransCanada
- 3) Weld Inspection and Assessment Methods – Mark Lozev - EWI, co-chair Dave Hodgkinson – TransCanada
- 4) Weld Maintenance and Repair – Jim Swatzel – Columbia Gas Transmission, co-chair Bill Bruce - EWI
- 5) Joining Issues for Nonmetallic Materials – George Ragula, PSE&G

Presentations: State-of-the-Art in Plastic Joining; Ted Striplin, McElroy Manufacturing
State-of-the-Art in Plastic Joining; Dave Woods, Hauser Research
NDT, Locating, New Materials and Joint Repair; Angelo Fabiano,
NYSEARCH Northeast Gas Association
NDT, Locating, New Materials and Joint Repair; Hitesh Patadia, Gas Technology Institute

4:30 **Adjourn**

Second Day (January 26th)

8:00 a.m. **Opening Remarks**

8:15 **Reconvening of the Working Groups** Various Meeting Rooms

10:00 **Break**

10:15 **Working Group Reports** (back to main group)

- 1) Weld Design in Emerging Materials – Bill Mohr – EWI, co-chair Marie Quintana – Lincoln Electric
- 2) Construction – Roger Howard – BP, co-chair David Dorling – TransCanada
- 3) Weld Inspection and Assessment Methods – Mark Lozev - EWI, co-chair Dave Hodgkinson – TransCanada
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11:30 **General discussion/ Next steps**

12:00 **Adjourn Workshop** Lunch available at your own expense in NIST cafeteria

1:00-3:30 **NIST tours** (reserve your place on sign-up sheets on January 25th).

- Mechanical Testing of Pipelines
- Atomic Clock
- Optoelectronics